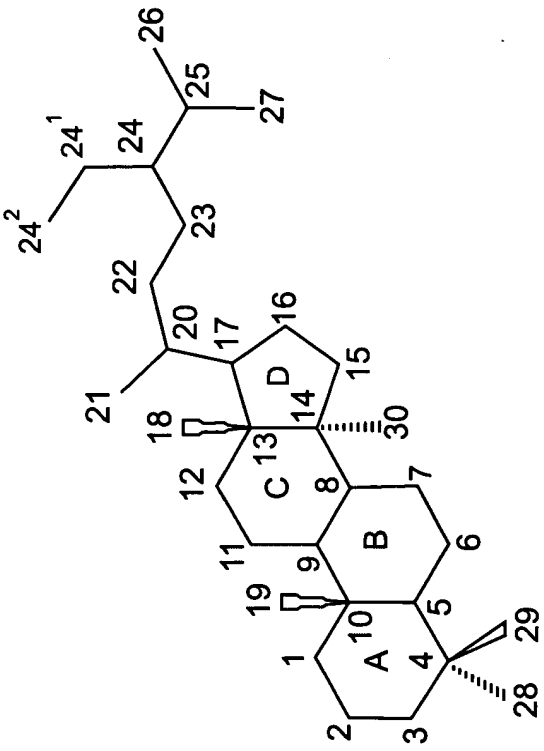


FIG. 1

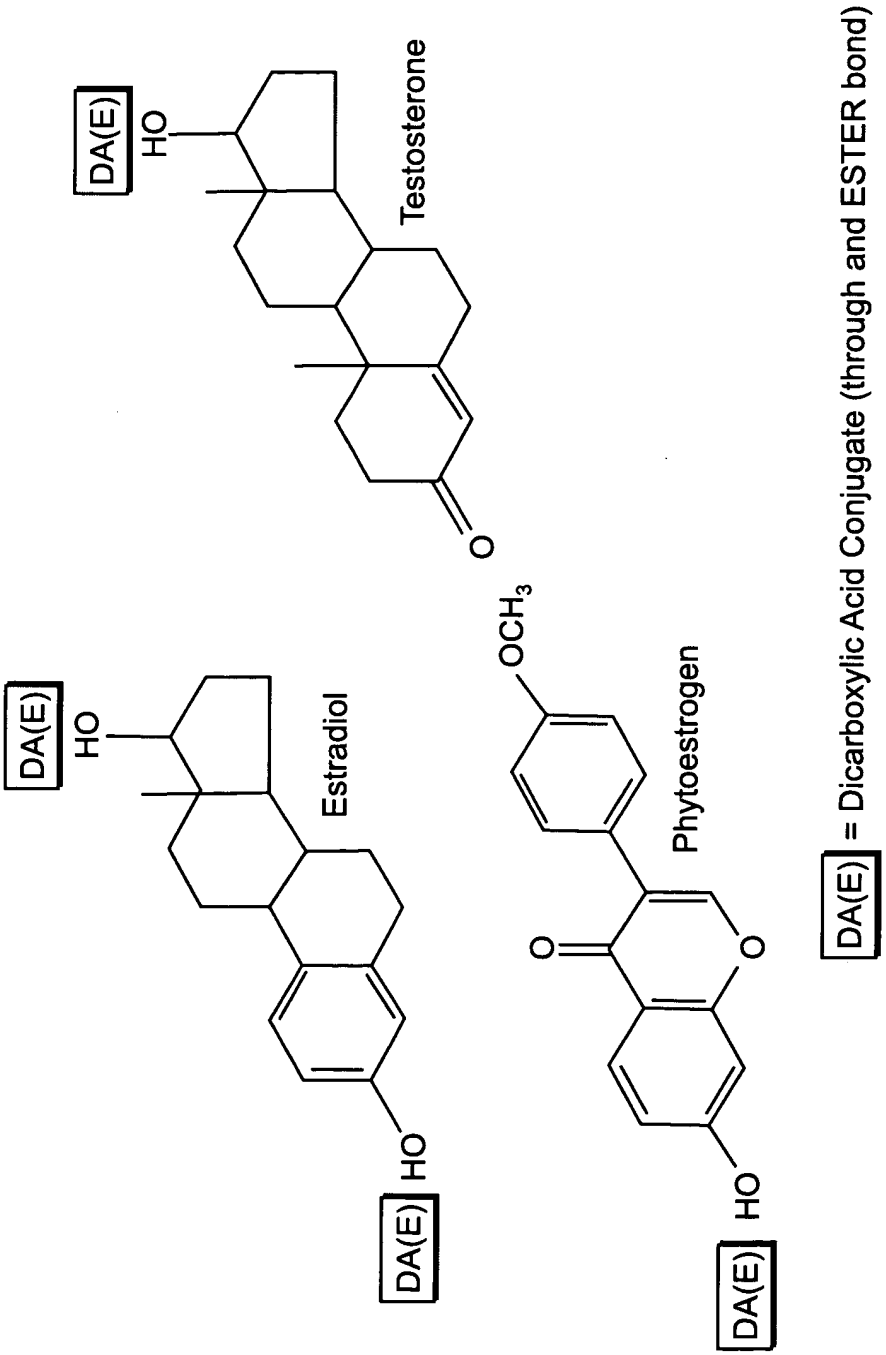

DA(E)
HO
Testosterone
O
DA(E)
HO
Estradiol
DA(E)
HO
OCH3
Phytoestrogen
O
O
DA(E)
HO
DA(E) = Dicarboxylic Acid Conjugate (through and ESTER bond)

FIG. 2

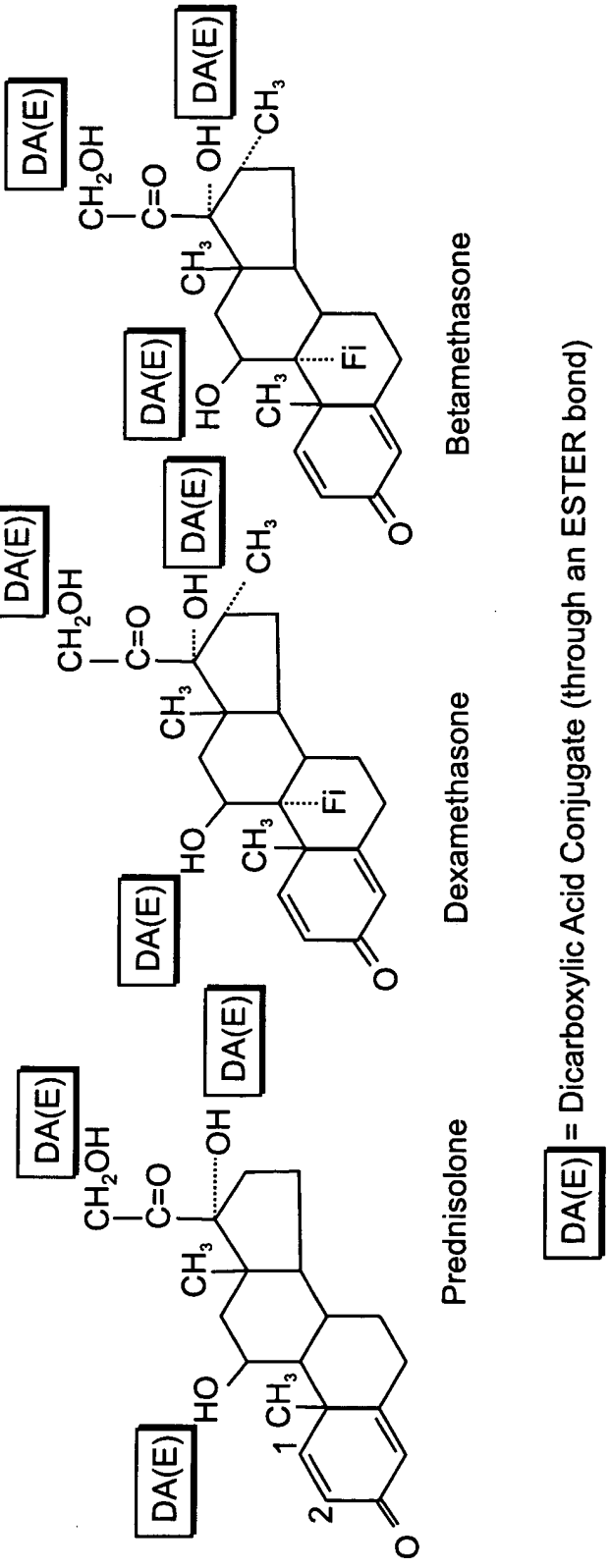
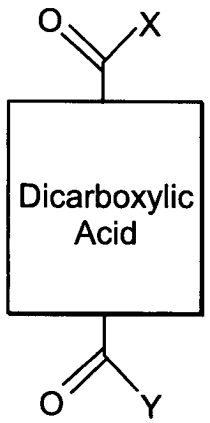

DA(E)
CH2OH
C=O
OH
CH3
HO
1
2
O
Fi
Prednisolone
Dexamethasone
Betamethasone
DA(E) = Dicarboxylic Acid Conjugate (through an ESTER bond)

FIG. 3



Wherein:

- X = Steriod moiety

- Y = X, OH, -OR, NH_2, -NHR or NR_2

- R = -Alkyl, -Aryl, $-(CH_2)_m$-Aryl $-(CH_2)_m$-OH, $-(CH_2)_m$-NH_2, or $-(CH_2)_m$-SH

- m = 0, 1, 2, 3, 4, or 5

FIG. 4

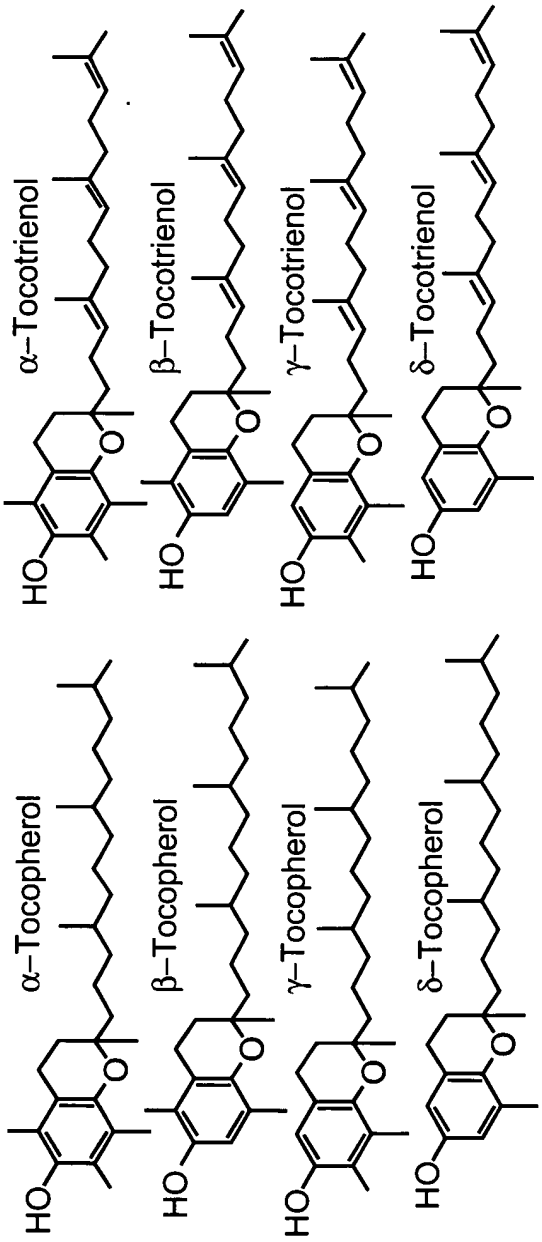
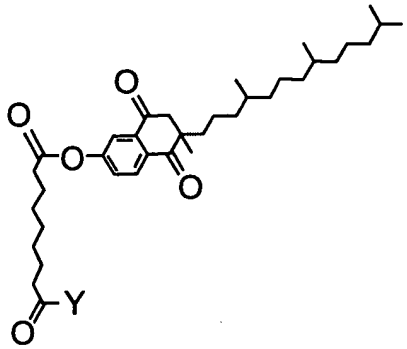
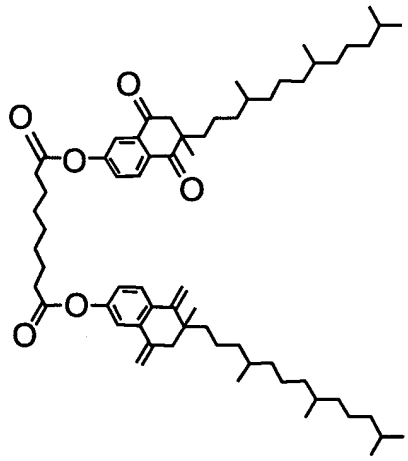

α–Tocotrienol
β–Tocotrienol
γ–Tocotrienol
δ–Tocotrienol
α–Tocopherol
β–Tocopherol
γ–Tocopherol
δ–Tocopherol
HO
O

FIG. 5

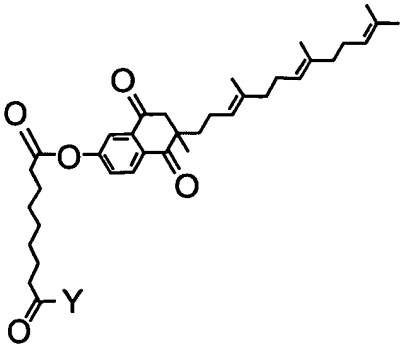
Azelaic acid linked with one Tocopherol molecule



Azelaic acid linked with two Tocopherol molecules



Azelaic acid linked with one Tocotrienol molecule



Azelaic acid linked with two Tocotrienol molecules

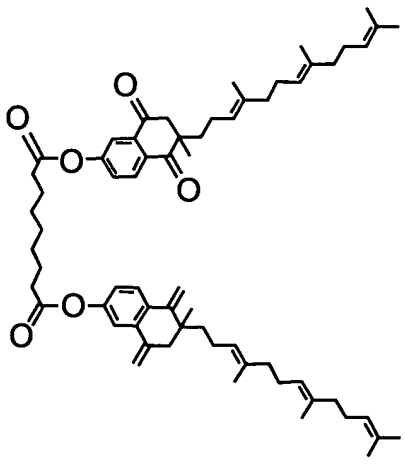
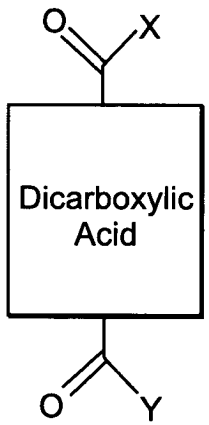


FIG. 6



Wherein:

- X = Vitamin D moiety

- Y = X, OH, -OR, NH_2, -NHR or NR_2

- R = Alkyl, -Aryl, $-(CH_2)_m$-Aryl $-(CH_2)_m$-OH, $-(CH_2)_m$-NH_2, or $-(CH_2)_m$-SH

- m = 0, 1, 2, 3, 4, or 5

FIG. 7